

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 19, 2006

Inspector: Lee Curtis

Location: Overhead Line (Composite 345kV and 115kV Gallows Hill to Archers Lane,
345kV H-Frame Hoyts Hill to Gallows Hill, and Norwalk Section)

Storm/

Rain Event: Between 0.13-0.53" of rain was recorded on 7/18 with possible localized totals over 1" as reported by NOAA and depending on location.

| Areas of Inspection | Observation | Recommended Action | Corrective Action |
|------------------------------------|--|--|--|
| Access Roads and Adjacent Roadways | - The Composite ROW work is mainly accessible from Gallows Hill Rd by an existing trail path with a swing gate, and an access road passing through the Archers Lane substation. 7/19/06. -Most steep slopes have erosion in the stone dust. | - If necessary, additional measures for stability should be considered for access needs. If any areas still have ruts at the end of the work, they will need to be regraded to return to original conditions. 12/8/05-7/19/06. | -Not Applicable (N/A) until evaluation at the end of work. |
| Composite | - Active clearing was not noted past Archers Lane. Wood chips have been blown off the cleared ROW in some areas. See the vegetative clearing section for more details. 3/2-7/19/06. | -See vegetative clearing section for details and recommendations. 7/19/06. | - Still needs attention |
| | - One spot along the access road past Archers Lane has sediment from the road overtopping the silt fence adjacent to the wetland. A second spot is also piling up. 6/7-7/19/06. | - Repairs should be made either by transition station or overhead crews. Stone/sediment needs to be removed. 6/1-7/19/06. | -Needs attention |
| | - The 2nd crossing also had some sediment | - Sediment should also be removed and repairs | - Needs attention - also see transition station |

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|------------------------|--|--|---|
| 345kV H-Frame | accumulation in the wetland along the access road. 7/19/06 | made to the controls here. The contractor hired for the 1 st wetland near Archers Lane should also work in this area. 7/19/06 | report. |
| | - Work areas are accessed from Hoyts Hill, Chestnut Ridge Rd, Webb Rd, Lime Kiln Rd, Whortleberry Rd, John Todd Way and Costa Lane. 3/29-7/19/06. | -Continue to monitor the conditions of all access roads. If muddy conditions re-occur, place more wood chips or consider installing silt fence as needed. 7/19/06. | - N/A at this time |
| | - Mats are in place within the wetland off Rt 58 at Hoyts Hill to support wire pulling equipment. However, one of the machines has slid partially off the mat. 7/19/06 | - Make immediate plans to remove this equipment from the wetland surface and place on the stable mat. 7/19/06 | - Needs attention ASAP |
| | - Washouts were noted within the wood chips in the access road between poles #5-6. 6/7-7/19/06. | - Erosion remains contained to the road but repair if feasible. Maintain existing erosion controls as necessary. 7/19/06. | - Needs attention when feasible. |
| | - The access road erosion near structure #31 was regraded but erosion returned even with the haybales in place. 7/19/06. | -Continue to monitor and keep stone out of any resource areas. 7/19/06 | -The constructed swale here was filled. Look into more permanent solutions. |
| Norwalk Section | - Controls at Bethel water building were in good shape. However, Webb Rd is receiving significant storm run-off from Nashville Rd ext. 7/12-7/19/06. | - Flow from Webb Rd during rain events is not project related but it is washing out the road significantly 7/5-7/19/06 | - Evaluate road condition |
| | - The Kent Rd (north) stone access pad appears to have been cleaned up and sediment was not noted on the street. | - Continue to maintain this entrance and sweep street when necessary. Add more stone if needed 7/19/06. | -The access looks cleaner and there was no sediment on the street. |

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| | <p>7/19/06.</p> <p>-Mats remain in good shape over the wetlands in this section. 7/19/06</p> <p>-A new crossing is in place over the tracks to the Wilton Terrace portion of the ROW from Arrowhead Rd. 7/19/06</p> <p>-Mats were not yet necessary to access the structure near the wetland and pond here as the location was pulled back. 7/19/06</p> <p>-Several wetlands are matted to the south of Kent Rd. Haybales were added to the silt fence in spots where it had washed out. 7/19/06.</p> | <p>- None at this time. 7/19/06</p> <p>- None at this time. 7/19/06</p> <p>- Continue to monitor and use mats if equipment must access the wetland area. 7/19/06</p> <p>- Continue to maintain and reinforce the spots that continuously wash out. 7/12-7/19/06</p> | <p>-N/A</p> <p>-N/A</p> <p>- N/A at this time.</p> <p>- Haybales had been added</p> |
| <p>Line Construction Composite</p> <p>345kV H-Frame</p> <p>Norwalk Section</p> | <p>- No activities were noted at the time of inspection. 7/19/06.</p> <p>- Crews continue to pull wire in the vicinity of John Todd Way. 6/20-7/19/06.</p> <p>- Old towers remain down in the area of Perry Ave, Kent Rd, North Seir and the Rt.7 extension. They will be removed eventually. 7/19/06.</p> <p>- Some work continues in the section off North Seir Hill Rd. 7/19/06.</p> <p>- Structure installation continues to the north and south of Kent Rd 7/19/06.</p> | <p>- None at this time. 7/19/06.</p> <p>- See erosion control section. 7/19/06.</p> <p>- None at this time 7/19/06</p> <p>-None at this time. 7/19/06.</p> <p>- See erosion controls section for recommendations. 7/19/06.</p> | <p>-N/A</p> <p>-N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A</p> |

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| | - Foundation drilling continues in the section south of Arrowhead Rd. moving towards the pond. Drilling was noted near the railroad track and the foundation hole was in place at the wetland location. 7/19/06 | - See erosion controls section for information. 7/19/06. | - N/A |
| Erosion and Sediment Controls Composite | <p>- Water levels appear to remain below problem levels at the 2nd wetland crossing along the Archers Lane access road however sediment accumulation was noted in the wetland. 7/19/06.</p> <p>- Silt fence is being overtopped by sediment piling up from run-off on the access road in several spots past Archers Lane. 6/1-7/19/06</p> <p>- Wood chips had been blown into the uplands and wetland area at the third structure in from Gallows Hill Road. 2/22-7/19/06. Another area with deep wood chips off the cleared ROW remains past Archers Lane. 3/15-7/19/06.</p> <p>- Turbid run-off had been noted in the 3rd wetland past Archers Lane a few weeks ago. 7/5-7/19/06</p> <p>- An old stockpile was noted at a structure before Rt 53 off Gallows Hill. 5/17-7/19/06</p> | <p>- Sediment should be removed and the controls repaired here. Contractors were being retained to do this in the 1st wetland 7/19/06.</p> <p>- The overtopping areas should be repaired and soil pulled back and removed from the wetland. 6/1-7/19/06</p> <p>- Make sure chips stay on the ROW. Contractors should remove the off ROW chips since this is not allowed in the D&M plan. 2/22-7/19/06. - Wood chips on the ROW can remain at a depth of 3". Deeper piles should be spread out. 4/6-7/19/06.</p> <p>- Maintain controls here. Determine where the run-off is entering and repair it. 6/28-7/19/06</p> <p>- Make sure that restoration occurs in previously disturbed areas and that materials are removed and not forgotten in place. 5/17-7/19/06</p> | <p>- Need to ask contractor to repair this area too.</p> <p>- Needs attention from either transition station or overhead crews</p> <p>- Still needs attention (CL&P is looking into a solution here)</p> <p>- Needs attention</p> <p>- Needs attention when feasible</p> |

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| <p>Erosion controls continued</p> <p>345kV H-Frame</p> <p>Bethel Reservoir Section to Chestnut Ridge Rd.</p> <p>Costa Lane, Whortleberry, Lime Kiln and John Todd Way</p> <p>Norwalk Section</p> | <p>- Disturbed soil remains adjacent to structure #34 off Gallows Hill. Controls had been straightened up but sediment was still encroaching. 6/28-7/19/06</p> <p>-The majority of the pile at structure#6 has been removed but soil remains encroaching on wetlands 4/12-7/19/06.</p> <p>- Non project related vehicles had not returned to the stream & wetland between poles #10-11. But ruts and disturbance remain. 6/28-7/19/06.</p> <p>-Some vegetation is returning here. 7/19/06</p> <p>- The additional fence for the access and clearing for wire pulling remains in place near structure #24 7/19/06.</p> <p>- The driveway contractor (unrelated to the project) remains in this area. The driveway fill appears to encroach on wetlands. 7/19/06.</p> <p>- The access road erosion near structure #31 was regraded but erosion had returned despite the haybales. 7/19/06</p> <p>-Sediment at the silt fence near pole #11078 was building up again. 7/19/06.</p> | <p>- The soil should be pulled back and the area vegetated- even if it is temporarily. 6/14-7/19/06</p> <p>- Remove the soil here as soon as conditions can support this without further impact. 2/22-7/19/06.</p> <p>- Haybales should be placed across the ROW to prevent sedimentation and help discourage access. 5/17-7/19/06</p> <p>- Continue to monitor and reinforce the original silt fence at this structure as the area tends to wash out. 7/5-7/19/06.</p> <p>- This is not project related but should be noted for the record in case there are issues here later. 6/7-7/19/06.</p> <p>- Keep all stone/sediment from entering resource areas and evaluate better stabilization measures. 7/19/06</p> <p>-This area should be restored/seeded even if temporarily since this area washes out regularly 7/19/06</p> | <p>- Haybales were straightened up but still needs attention when feasible.</p> <p>- Needs attention when feasible</p> <p>- Needs attention (even though the majority of the damage is not project related.)</p> <p>-Could use additional reinforcement.</p> <p>- Not project jurisdictional</p> <p>-Continue to evaluate.</p> <p>-Needs attention when feasible</p> |

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| Kent Rd. (North – new ROW section) | <ul style="list-style-type: none"> - The silt fence near the foundation at the Norwalk substation was almost washed over. 7/19/06. Bare, exposed soil remains adjacent to the foundation. 6/7-7/19/06 | <ul style="list-style-type: none"> - Restore the adjacent area with vegetation to reduce potential run-off, even if it is temporarily. 6/7-7/19/06 Restore and reinforce the controls here. 7/19/06 | <ul style="list-style-type: none"> - Needs attention |
| Erosion controls continued | <ul style="list-style-type: none"> -The foundation was drilled off Wilton Terrace at the edge of the wetland. Silt fence is in place and the location was pulled to the edge of the access road. 7/19/06 | <ul style="list-style-type: none"> - Continue to monitor and maintain silt fence when necessary. 7/19/06 | <ul style="list-style-type: none"> -Silt fence was installed prior to the work |
| | <ul style="list-style-type: none"> - The stone access pad north of Kent Rd appeared to be cleaned up. 7/19/06 | <ul style="list-style-type: none"> -Continue to maintain and sweep the street when necessary. Improve pad if needed. 7/19/06 | <ul style="list-style-type: none"> -Stone was cleaner and sediment was not present on the street |
| | <ul style="list-style-type: none"> - Silt fence was extended along both banks of the stream and near the foundation at the pond in the Kent Rd north section. 7/19/06. | <ul style="list-style-type: none"> -Continue to monitor and maintain as needed. 7/19/06 | <ul style="list-style-type: none"> - Silt fence is in place |
| Kent Rd. (South) | <ul style="list-style-type: none"> - Mats are installed along much of the ROW south of Kent Rd. The silt fence was reinforced with haybles in the spots that had washed out. 7/19/06. | <ul style="list-style-type: none"> -Continue to repair and reinforce. These areas will be difficult to control during heavy rain due to the drainage patterns. 7/12-7/19/06 | <ul style="list-style-type: none"> - Haybales were installed |
| Inland Wetland and Watercourse encroachment and mitigation | <ul style="list-style-type: none"> -The D&M plan approved stone on geotextile fabric at the wetland crossings have worked fairly well. 4/6-7/19/06. | <ul style="list-style-type: none"> - As the access is considered temporary, the stone will be removed when final work ends so the wetlands can be restored. 1/26-7/19/06. | <ul style="list-style-type: none"> -N/A until evaluated at the end of work. |
| Composite | <ul style="list-style-type: none"> - Some sediment had accumulated in the 2nd crossing and turbid run-off had been noted previously in the 3rd | <ul style="list-style-type: none"> - Repair crossing controls and identify where the run-off was entering 6/28-7/19/06. | <ul style="list-style-type: none"> -Needs attention |

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| 345kV H-Frame | crossing 7/19/06 - A piece of equipment used for wire pulling has slipped partially off the mat at the wetland by Rt. 58. 7/19/06 - At structure #6, most of the mud was removed from the wetland and they will continue to do so. 4/6-7/19/06. - Non project related vehicles had not returned to the wetland between #10-11 but damage remains. Some vegetative growth was noted 7/19/06 | - This has to be pulled back and stabilized immediately. Discuss supporting 345kV XLPE crews when they restore this wetland. 7/19/06 - Continue to remove entire pile. 2/16-7/19/06. - Haybales should be added across the access road on both side of the wetland to reduce sedimentation. 5/25-7/19/06 | - Needs attention ASAP -Needs attention when feasible. -Needs attention (the majority of disturbance is from non project related vehicles) |
| Norwalk Section | -Off Kent Rd north, silt fence was extended at the resource areas as recommended 7/19/06. -The foundation was drilled at the edge of the wetland near the Kent Rd with minor disturbance. 7/19/06 - Use caution in removing from wetland areas. Avoid creating ruts when skidding them out. 3/29-7/19/06. | -Continue to monitor. See erosion control section 7/19/06. - The location was as far back from the wetland as possible and controls are in place. 7/19/06 - Retain shrubs and low growth as much as possible, especially at stream buffers. 3/2-7/19/06. | -N/A - Controls are in place - N/A |
| All Sections | -If a wetland is being used as amphibian breeding habitat, retaining some wood debris at its boundaries may be beneficial. 3/2-7/19/06. | -Carefully remove brush piles and trees from near wetland areas. 3/2-7/19/06. - Watch this near the pooled area on the new ROW section | -N/A |
| State species of concern, threatened and endangered species | - The composite portion of overhead work includes state-listed turtle habitat area. 9/15- | - Now that weather is warmer, daily walkthroughs should be occurring prior to any | -N/A at this time |

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| | 7/19/06. -An Eastern box turtle was noted crossing the access road near structure #7 in the Chestnut Ridge Rd section on 6/14/06. | work in the area. 4/6-7/19/06. - Perform walkthroughs in this new section as well. 6/14-7/19/06. | -N/A |
| Vegetative clearing limits (including trees to save or danger trees noted) | - Adjacent homeowners near Gallows Hill mentioned damage to mountain laurel and other shrubs. 3/2-7/19/06. | -In general, take care in retaining shrubs and use mats to access or skid out trees from wetlands. 2/22-7/19/06. -Replace shrubs where necessary. 7/19/06. | -Needs attention when feasible |
| Composite | - A significant amount of chips were blown off the ROW into the upland and also along the wetland edge at the 3 rd structure off Gallows Hill. These areas are off property. 2/22-7/19/06. -This was also noted several structures past Archers Lane. 3/15-7/19/06. | - Chips currently off ROW boundaries should be removed carefully to comply with the D&M plan. 2/22-7/19/06. Chips on ROW should be spread to a depth of 3". 4/6-7/19/06. | - Still needs attention CL&P is looking into this. |
| 345kV H-Frame | -Clearing was not actively occurring along the ROW past Archers Lane. 7/19/06. | - To avoid wetland damage, trees here will be sheared from the access road and felled out of the water. 3/15-7/19/06 | - CL&P proposed the work under these specs. |
| | - Some additional clearing was needed for wire pulling near structure #24. Additional silt fence was added 6/28-7/19/06 | -Continue to monitor. 7/19/06 | -Silt fence was added |
| Norwalk Section | - Some clearing of new ROW continues north of Kent Rd., coming in from the other end of the pond. Some additional clearing/ log removal efforts remain 7/19/06. | - Be extremely careful to retain shrubs and vegetation where feasible. 5/25-7/19/06. | -N/A |

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| Dewatering | - No obvious dewatering efforts were noted at the time of inspection. 7/19/06. | - Release water to the ground only in well vegetated areas if it will not reach any resource areas. (Make sure to check downgradient for these areas) Otherwise use a filter bag or adequate containment. 3/9-7/19/06. | -N/A at this time |
| Blasting | -No blasting has been necessary at this time on the ROW. 7/19/06. | -None at this time. 7/19/06. | -N/A |
| Spills and Material Storage | -None of the parked or active equipment was leaking at the time of inspection. 3/15-7/19/06. - However, a piece of machinery is partially off the mats on Rt 58. Stabilize immediately. 7/19/06 - In general, equipment should be parked over 100 ft from resource areas or as far as feasible. 7/19/06 | - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Keep adequately size fuel kits for worst-case scenarios. - Report spills immediately, even if they are being controlled. - Avoid refueling in the areas near the wetlands. Use proper storage for all materials. | -N/A - Needs attention ASAP |
| Additional Observations | | | |

Next likely scheduled inspection:

Wednesday July 26, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Lee Curtis



(Composite Section): Photo on the left shows further sediment piling up at the silt fence along the access road on the Archers Lane ROW. This is immediately adjacent to a wetland. Photo on the right shows the 2nd wetland crossing where some sediment had accumulated. 7/19/06



(345kV H-Frame): Photo on the left shows where a piece of equipment for wire pulling near Hoyts Hill has partially slipped off a mat at the wetland edge. It is attached to the other equipment but must be stabilized immediately. Photo on the right shows a view of the driveway being constructed by the residential contractor (non project related). 7/19/06.



Both photos show the the work of the residential contractor near structure #24. The driveway fill appears to encroach on the wetland. 7/19/06



Photo on the left shows the wire pulling continuing near John Todd Way. Photo on the right shows the silt fence near structure #25 in fairly good shape. 7/19/06.



Photo on the left shows where erosion had re-formed near structure #31. (Arrowhead Rd) Photo on the left shows foundation drilling occurring near the railroad track here. 7/19/06.



Photo on the left shows the foundation hole drilled in the area at the edge of the wetland near the Kent Rd pond. The location was pulled as close to the access road as possible. Photo on the right shows maintenance of the silt fence installed in this area. No sedimentation was noted in the wetland here. 7/19/06



(Kent Rd) Photo on the left shows the silt fence installed at the foundation near the edge of the pond, north of Kent Rd. Photo on the right shows the silt fence extended along both banks of the stream as recommended. 7/19/06



Photo on the left shows haybales placed to reinforce the silt fence adjacent to the access road south of Kent Rd. This area has a tendency to wash out. Photo on the right shows a spot of the silt fence just north of the Norwalk Substation where sediment is about to overtop. 7/19/06